



## **STAFF REPORT**

---

**Approving Plans and Specifications, Authorizing Advertisement for Sealed Bids, Approving Award of Contract to the Lowest Responsible Bidder for an Amount not to exceed \$169,444, Approving a Construction Contingency not to exceed \$16,944, and Authorizing the City Manager to Execute a Contract for Sanitary Sewer Rehabilitation Ralston Avenue Pipebursting and Pipelining, City Contract Number 462**

Honorable Mayor and City Council:

### **Summary**

Council is asked to approve advertisement and award of a construction contract to rehabilitate the sanitary sewer running in and alongside Ralston Avenue from Cipriani Boulevard to Lyall Way. Video inspection identified numerous breaks and areas of root intrusion in this critical sewer trunk line serving most of western Belmont. The specified rehabilitation consists of a combination of pipebursting replacement, pipelining repair, and manhole reconstruction.

### **Background and Discussion**

The City has a 12-inch sewer trunk line serving the San Juan Canyon and the Hallmark/Western Hills neighborhoods. The 1900-foot section to be rehabilitated begins at the intersection of Ralston Avenue and Cipriani Boulevard and ends at the intersection of Ralston Avenue and Lyall Way. Sewers above and below this section have been rehabilitated under other construction contracts. This relatively old sewer was constructed in the alignment of the former Belmont Canyon Road, prior to construction of Ralston Avenue, and so follows a curving path between Lyall Way and Coronet Boulevard. This sewer is an especially difficult line to inspect and repair for the following reasons:

1. It is deep (over 30 feet) in locations where fill was placed to construct Ralston Avenue;
2. It has continuously high flows augmented by surges from the San Juan Pump Station;
3. The steep and overgrown terrain between Ralston and Lyall restricts equipment access.

In the last two years, the maintenance crew has cleared root blockages in this sewer that caused overflows from the manholes into the uninhabited right-of way between Ralston and Lyall. The difficulty in pumping down and accessing the sewer to clear these roots demonstrated how critical it is that this sewer be brought up to good condition. Public Works video-inspected the sewer last fall and identified numerous breaks, offsets, and intruding tree roots that require repair or elimination.

Staff has designed a construction project primarily consisting of pipelining repair. About a third of the sewer has failed to the extent that it cannot be lined and so will be replaced by pipebursting. Both lining and bursting will eliminate the pipe joints that allow root intrusion and will stabilize the system to arrest further deterioration. In addition, the manholes will be either repaired and sealed or reconstructed, depending on their condition. Bypass pumping to divert flows around the construction zone will be a significant component of this job and is expected to add about 7 percent to the construction cost. Staff has evaluated the capacity of surrounding sewer lines and has drafted a bypass-pumping plan using these lines for the contractor's use. Traffic impacts to Ralston Avenue are expected to be relatively minor because the excavation pits and equipment can be located outside of the Ralston travel lanes.

Staff requests City Council approval of the City Contract Number 462 project plans and specifications and authorization to advertise for sealed bids from qualified contractors. The bid opening is scheduled for August 18, 2004. Public Works will hold a mandatory prebid meeting and site walk on August 11, 2004 to ensure that potential bidders understand the complexity of the project. Staff requests Council approval to award a construction contract if the City receives a responsive and responsible bid within the engineer's estimate of \$169,444. In addition, staff requests a construction contingency of 10 percent of the contract price to address unforeseen conditions encountered during construction. If a contract can be awarded, construction should start in September and continue through October 2004.

### **Fiscal Impact**

The engineer's estimate for the construction contract work is \$169,444. Staff also requests a 10 percent construction contingency up to \$16,944. Funding for this work will be obtained from the FY05 Capital Improvement Program Sewer Enterprise budget 503-4326-7075-9030, the Sanitary Sewer Rehabilitation, Ralston Avenue - Cipriani to Coronet project. If the lowest responsible bid exceeds the engineer's estimate, staff will bring a recommendation to Council to either award with justification or to reject all bids.

### **Recommendation**

Staff recommends that the City Council take the following actions for City Contract Number 462, the Sanitary Sewer Rehabilitation, Ralston Avenue Pipebursting and Pipelining project:

1. Approve the construction plans and specifications,
2. Authorize advertisement for sealed bids,

3. Approve award of contract to the lowest responsible bidder for an amount not to exceed \$169,444,
4. Approve a construction contingency equal to 10 percent of the contract price, and
5. Authorize the City Manager to execute a contract with the lowest responsible bidder.

**Alternatives**

1. Refer back to staff for further information
2. Deny the request

**Attachments**

1. Resolution

Respectfully submitted,

Kathleen E. Phalen, P.E.  
City Engineer

Raymond E. Davis, III, P.E., PTOE  
Director of Public Works

Jere A. Kersnar  
City Manager

**RESOLUTION NO. \_\_\_\_\_**

**CITY OF BELMONT  
San Mateo County, California**

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BELMONT APPROVING  
PLANS AND SPECIFICATIONS, AUTHORIZING ADVERTISEMENT FOR SEALED  
BIDS, APPROVING AWARD OF CONTRACT TO THE LOWEST RESPONSIBLE  
BIDDER FOR AN AMOUNT NOT TO EXCEED \$169,444, APPROVING A  
CONSTRUCTION CONTINGENCY NOT TO EXCEED \$16,944, AND AUTHORIZING  
THE CITY MANAGER TO EXECUTE A CONTRACT FOR SANITARY SEWER  
REHABILITATION RALSTON AVENUE PIPEBURSTING AND PIPELINING,  
CITY CONTRACT NUMBER 462**

WHEREAS, the sewer trunk main in and around Ralston Avenue between Cipriani Boulevard and Lyall Way requires rehabilitation; and,

WHEREAS, the Department of Public Works has prepared plans and specifications for this work; and,

WHEREAS, Sewer Enterprise Funds have been budgeted in Fiscal Year 2005 for this project.

NOW, THEREFORE, BE IT RESOLVED:

1. The City Council approves City Contract Number 462 plans and specifications.
2. The City Council authorizes advertisement for sealed bids for this work.
3. The City Council approves award of contract to the lowest responsible bidder for an amount not to exceed \$169,444.
4. The City Council approves a construction contingency to be administered by the City Manager for an amount equal to 10 percent of the construction contract.
5. The City Council authorizes the City Manager to execute a contract with the lowest responsible bidder.
6. Funding shall be from the FY2005 budget, project account 503-4326-7075-9030.

\* \* \* \* \*

I hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the City of Belmont at a regular meeting thereof held on July 27, 2004.

AYES, COUNCILMEMBER(S): \_\_\_\_\_

NOES, COUNCILMEMBER(S): \_\_\_\_\_

ABSTAIN, COUNCILMEMBER(S) \_\_\_\_\_

ABSENT, COUNCILMEMBER(S): \_\_\_\_\_

\_\_\_\_\_  
City Clerk of the City of Belmont

APPROVED:

\_\_\_\_\_  
Mayor of the City of Belmont